

10		1,00	0,87
12		0,25	
13		0,05	
14	2 ¹ -4-	2,00	1,69
17		0,01	
18		0,05	
19	5- , 2-(2 ¹ -)-	2,00	1,32
20		2,00	1,0245
21		2,00	1,36
22		0,001	
23		0,10	
24		0,20	
25		0,10	

Data of tin bronzes losses are cited at their smelting from a secondary material. With the purpose of decrease of this parameter by use protective glass coatings it is investigated behaviour of bronzes at heating from 20 to 1000 °C. By means of DTA intensive oxidation of these alloys in the interval temperatures 600-1000 °C which causes significant losses of these alloys at melting is established. By X-ray it is established phase quantitative composition of a film which is formed on a surface of bronzes on heating.

10 % [1,2].

1. // , 2003. - 6. .44-45. **2.** // .- 2004. - 9. .36-37. **3.** // , 2003.- 4. .45. **4.** // , 2003.- 3. .20-21. **5.** // , 2004.- 1. .40. **6.** // , 2003.- 2. .40- **7.** // , 2003.- 3. .14-18. **8.** // , 1982. - 260 . **9.** // , 1982. - 260 . **10.** // , 1982. - 260 . **11.** // , 1982. - 260 . **12.** // , 1982. - 260 . **13.** // , 1982. - 260 . **14.** // , 1982. - 260 . **15.** // , 1982. - 260 . **16.** // , 1982. - 260 . **17.** // , 1982. - 260 . **18.** // , 1982. - 260 . **19.** // , 1982. - 260 . **20.** // , 1982. - 260 . **21.** // , 1982. - 260 . **22.** // , 1982. - 260 . **23.** // , 1982. - 260 . **24.** // , 1982. - 260 . **25.** // , 1982. - 260 .

Cu-O, CuO-SnO, CuO-PbO, CuO-ZnO

400 – 1000

134

900

1000 [3].

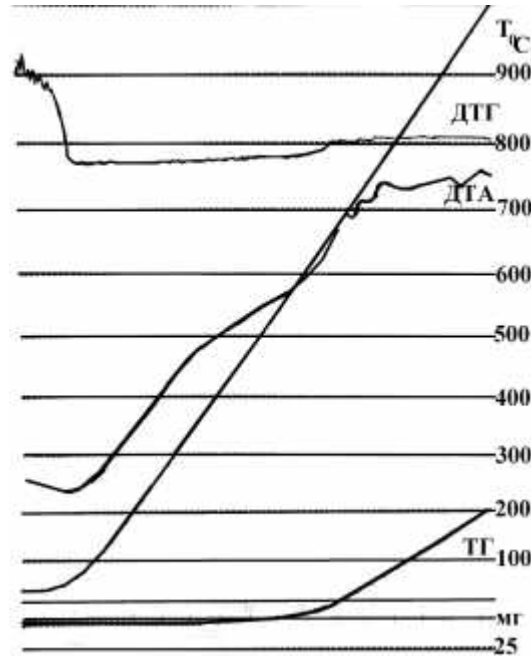
700-800

600-

1000°

05 6 5,

2,1 ()
88
- 1/10; - 1/10; - 500 (.1).



.1.

600°
1000° 4,5 .%,

135

[4],
Cu - Sn [5].

()

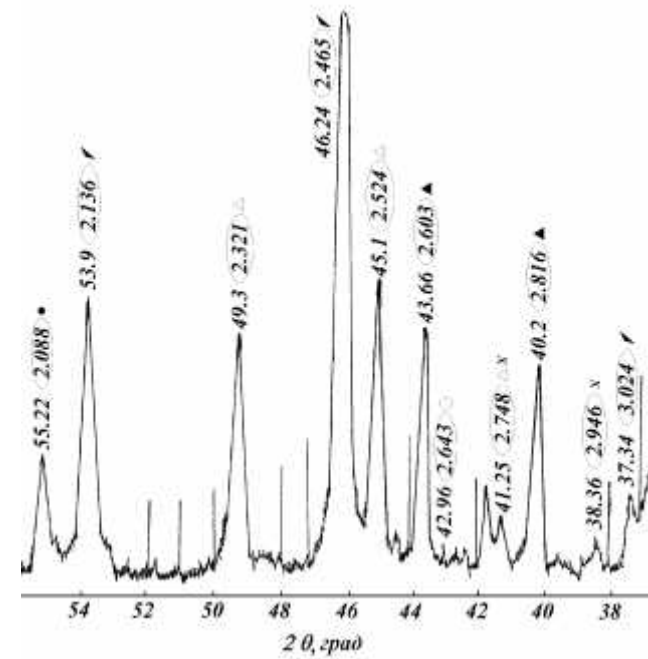
FeK -

.2,

- 3

Cu₂O, ZnO, - PbO, SnO₂ Cu.

: CuO,



.2.
▼ - Cu₂O; ▲ - ZnO; △ - CuO; ● - Cu; x - PbO; ○ - SnO₂

JCPDS [6].

Cu₂O 47 .%, ZnO -
27 .%, CuO - 21 .%.

SnO₂ < 0,5 %.

600 - 1000 ° .
0,1 4,5 .%.

Cu, - PbO SnO₂. Cu₂O, ZnO CuO,

- Cu₂O, ZnO, CuO.

: 1.

- 1. , 1992. 2.
- 2. , 1986. 3.
- 3. , 1969. 4.
- 4. , 1965. 5.
- 5. , 2002.

6. JCPDS – International Centre for Diffraction Data. – Filadelfia, 1996. W 1-48.

30.03.06

666.21

• • • • • , • • • • • , • • • • •
 • • • • • , • • • • • , • • • • • III • • •
 • • • • • , • • • • • « »

R₂O-RO-RO₂-R₂O₃-P₂O₅-SiO₂.

Theoretical bases of a synthesis of enamellines with tall biocompatibility on titanium are formulated

137

It is investigated moistening ability of a composition and it is optimized technological parameters of a conversion coating by a slip enameling method and its operating characteristics.

90-

[1].

e, [1].

[1].

B₂O₃ Na₂O

800° [2].

[2].

138

(Al₂O₃, TiO₂),

P₂O₅

8-10% [3].